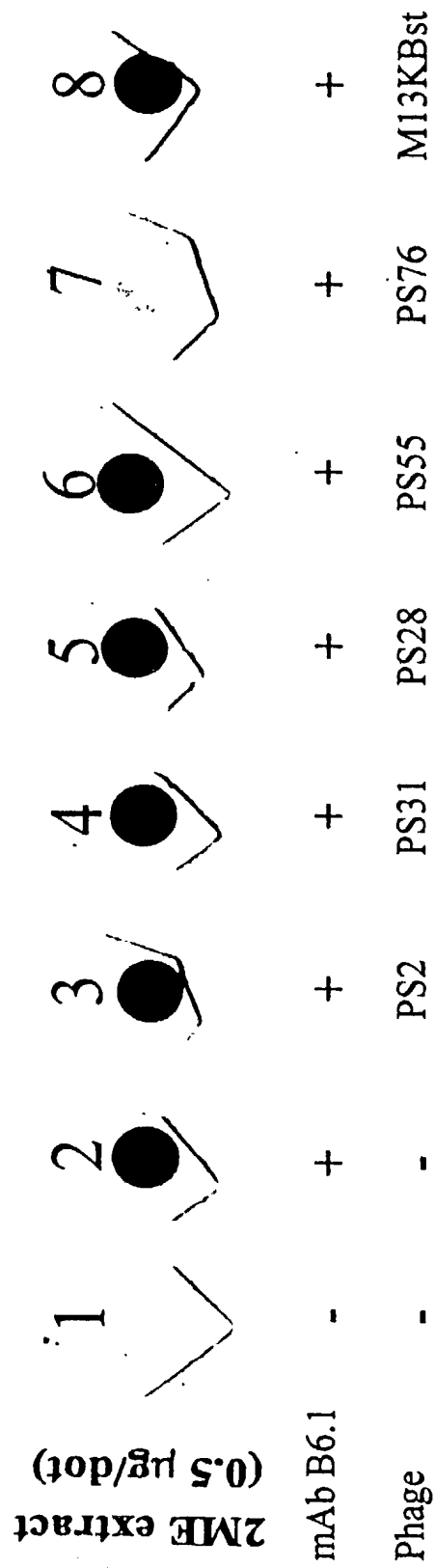
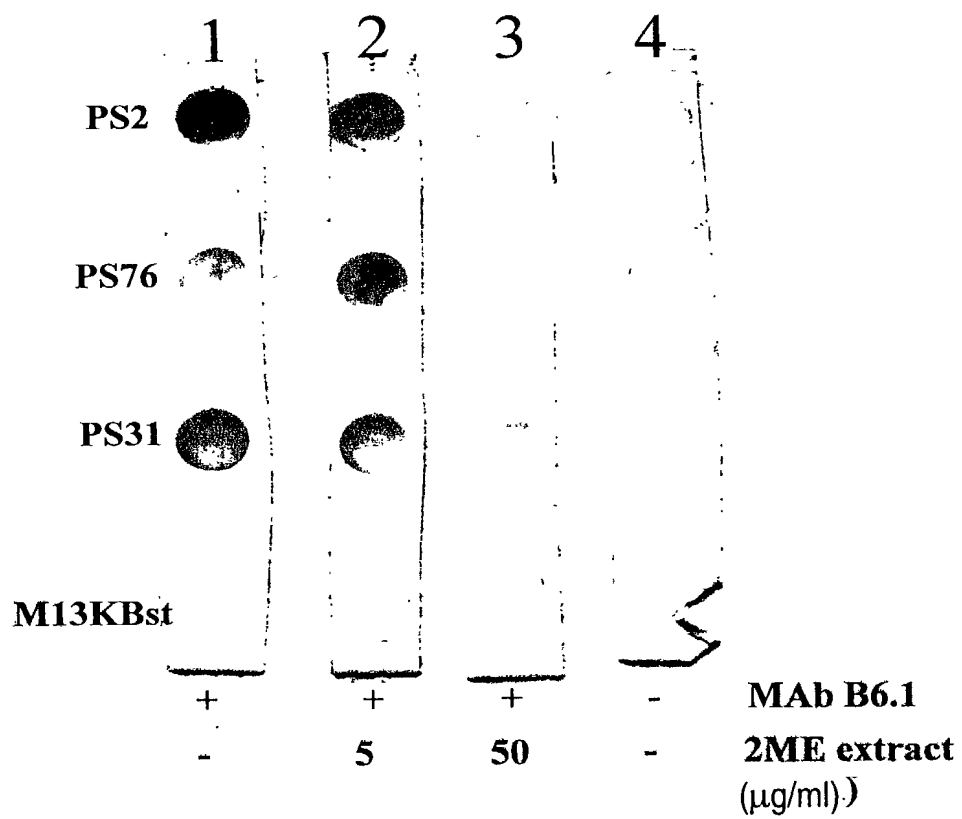


FIG. 1

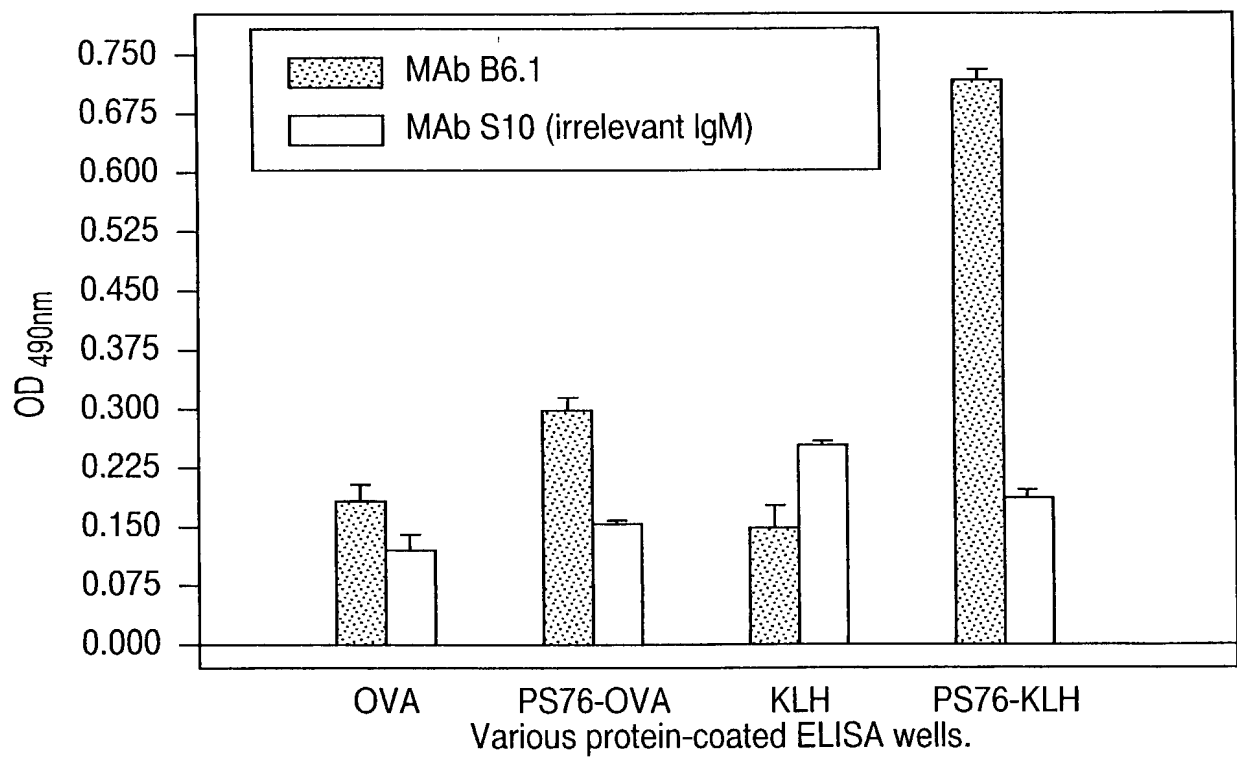


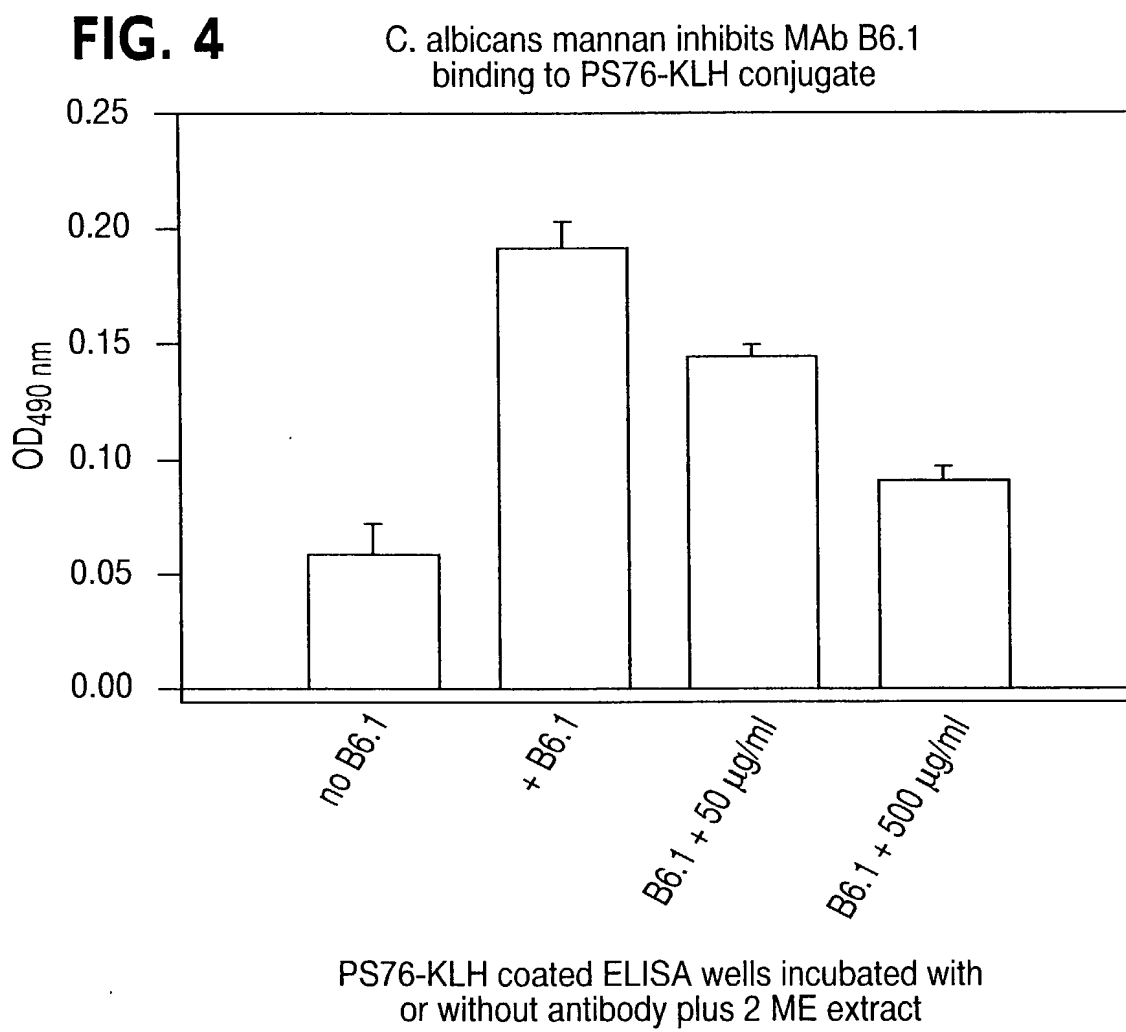
**FIG. 2**



**FIG. 3**

Reactivity of MAb B6.1 against  
PS76-carrier protein conjugates

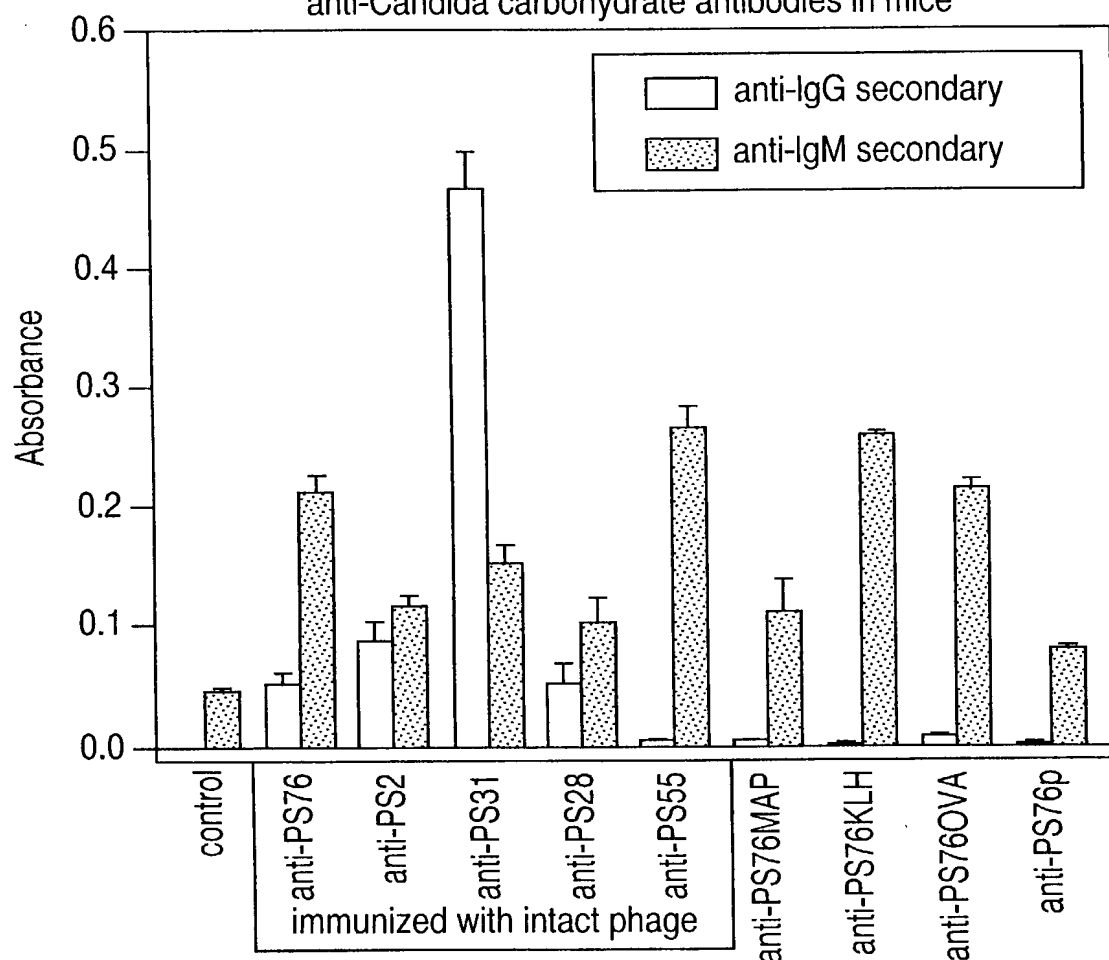






**FIG. 6**

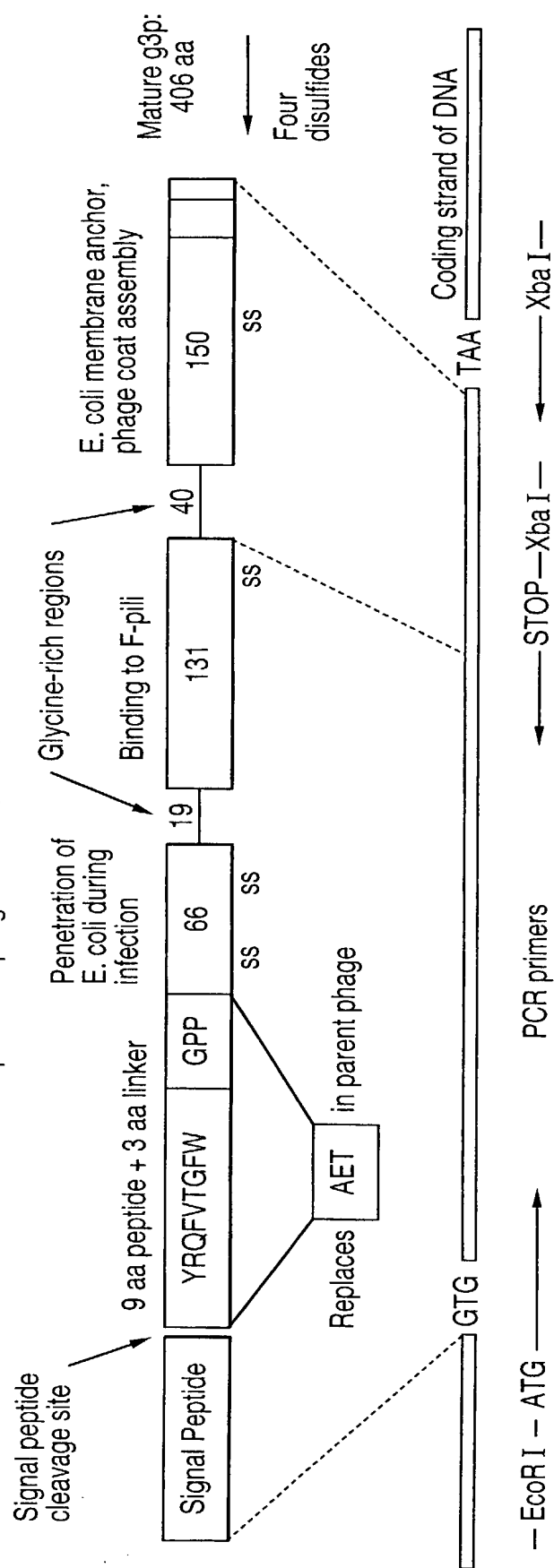
Immunization with peptide mimotopes induces anti-Candida carbohydrate antibodies in mice



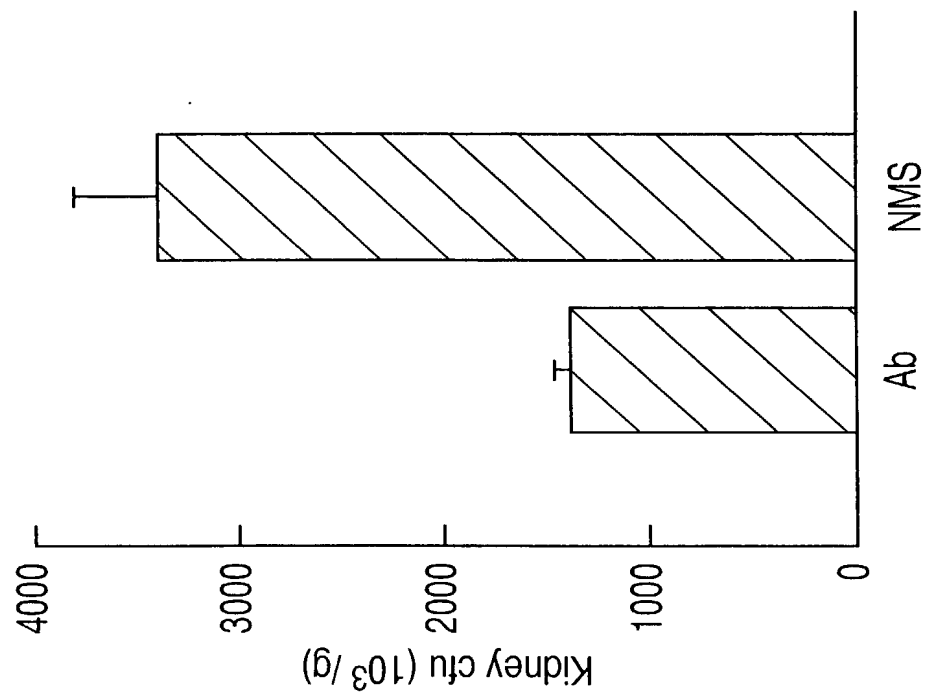
Absorbance =  $OD_{490nm} (Ab + 2ME \text{ extract}) - OD_{490nm} (Ab + \text{irrelevant CHO})$

Microtiter plate wells were coated with 2ME extract or an irrelevant carbohydrate. Mice were immunized with synthetic peptide, branched synthetic peptide, peptide carrier protein conjugates, or phage-displayed peptide mimotopes.

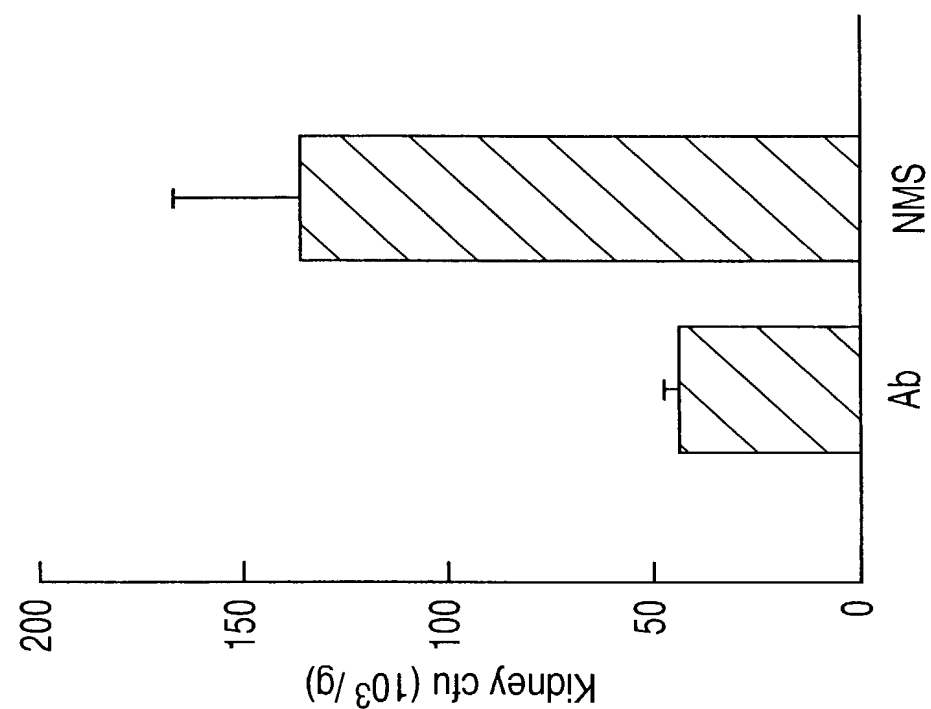
Gene 3 protein of phage clone PS76



**FIG. 8B**

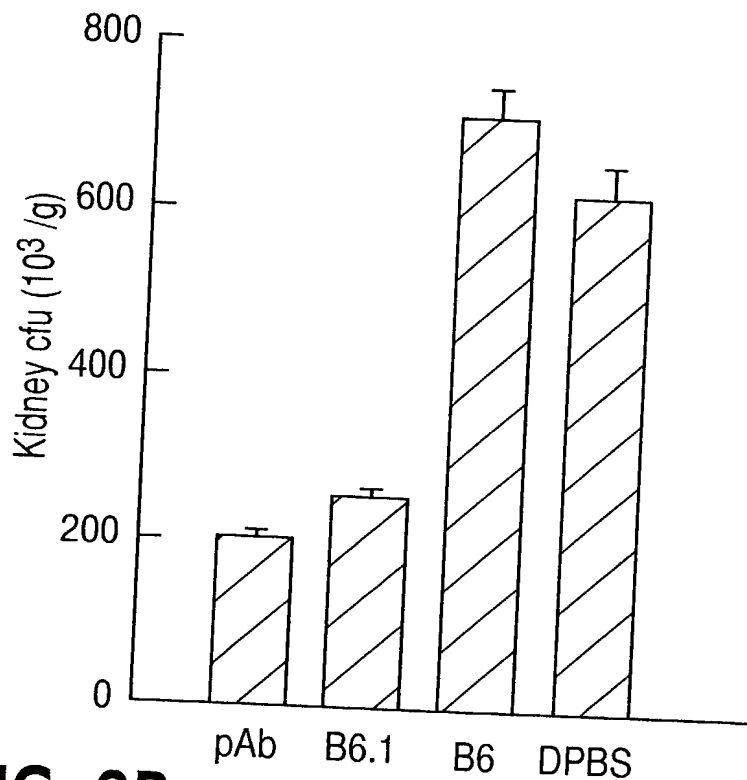


**FIG. 8A**

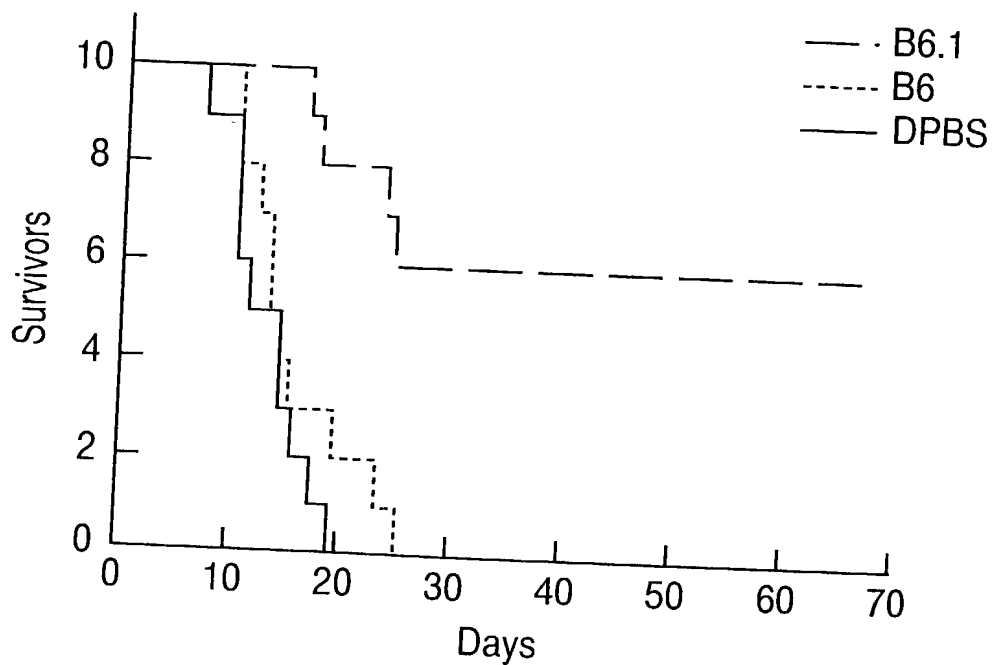




**FIG. 9A**

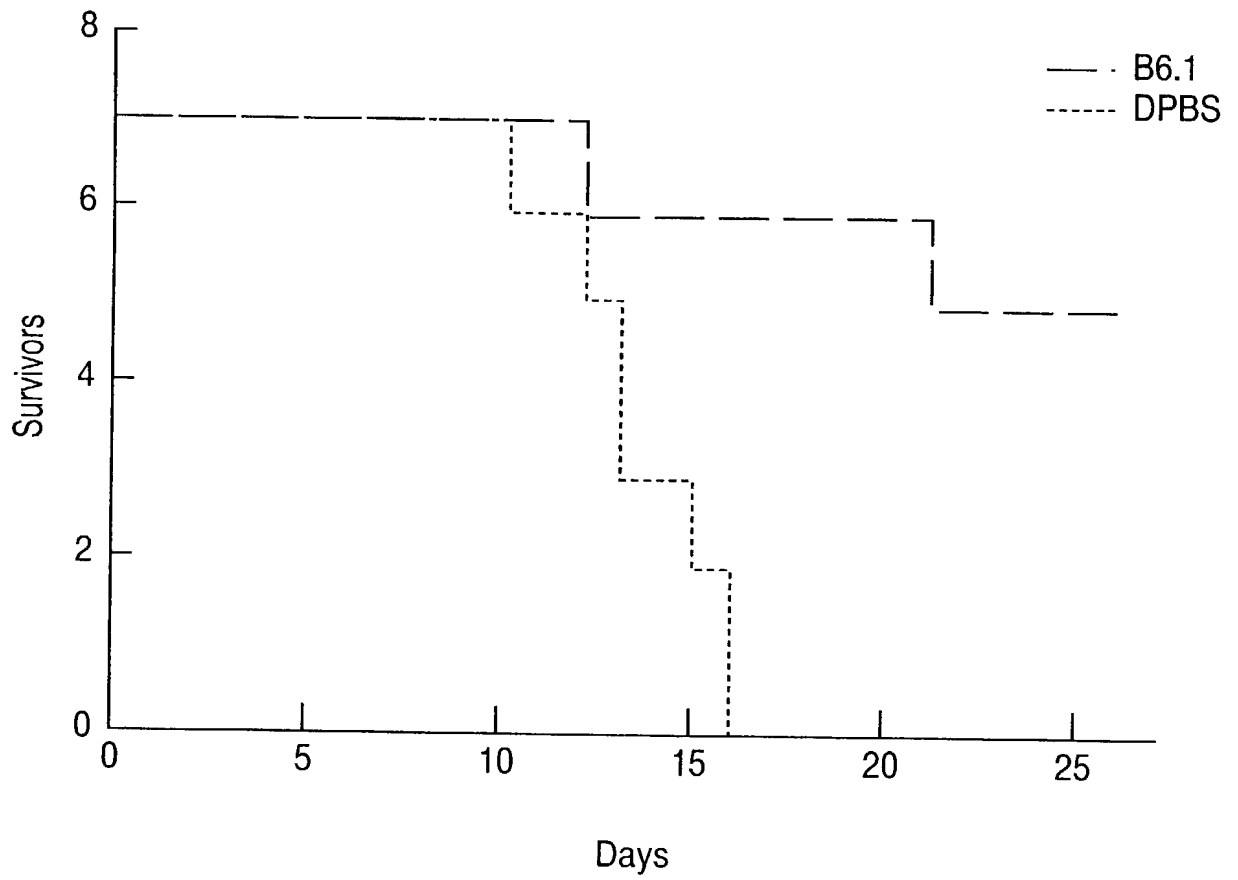


**FIG. 9B**



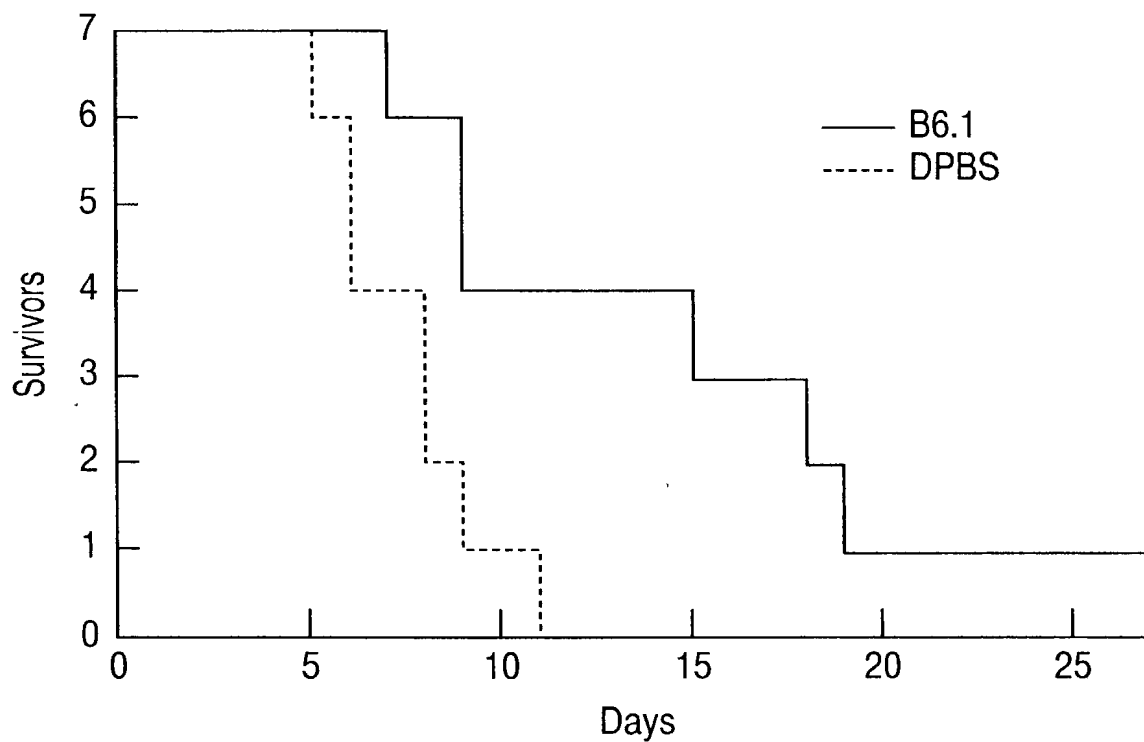


**FIG. 10**

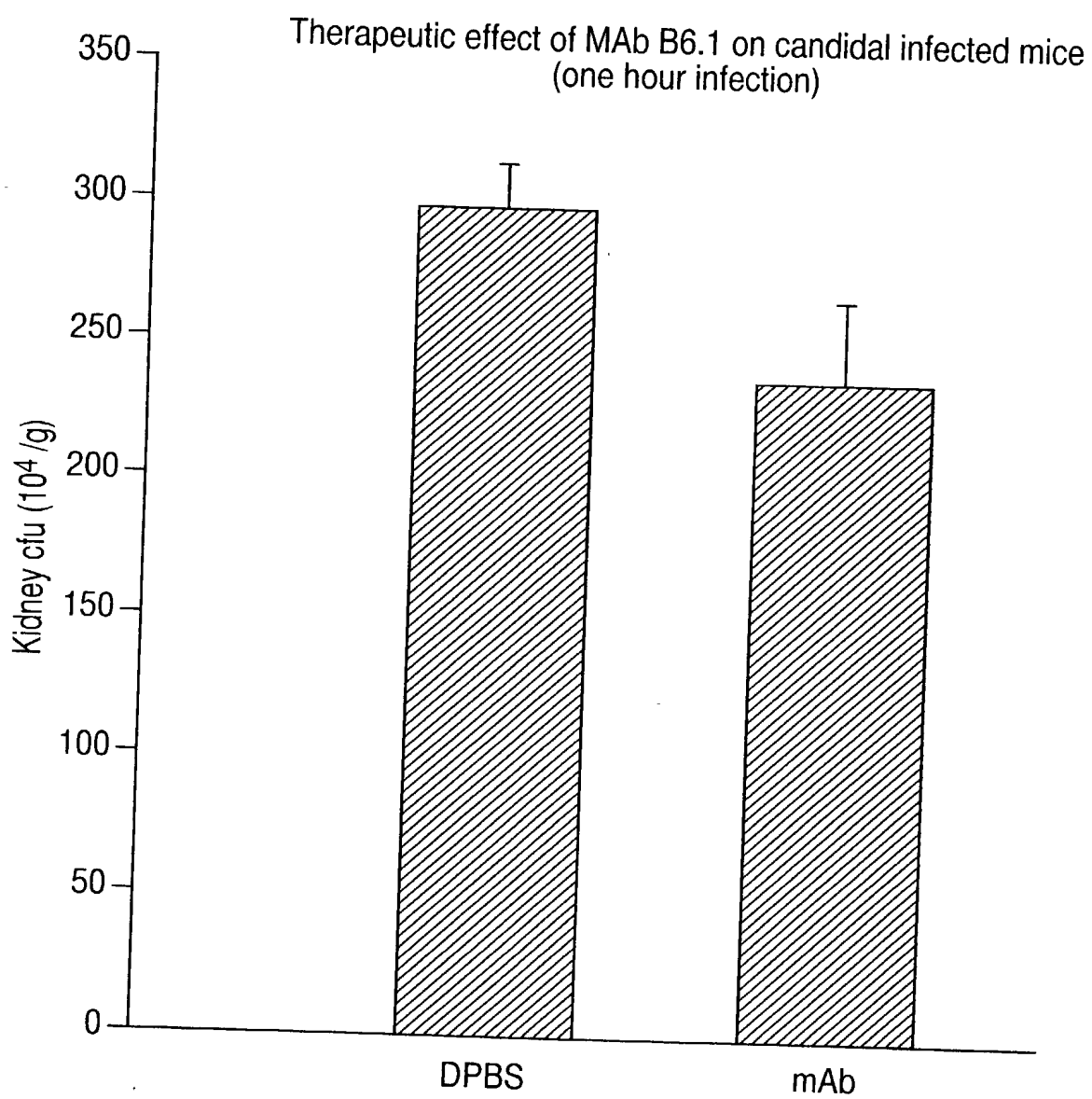


**FIG. 11**

Disseminated Candidias By Survival Time  
measurements. Therapeutic effect of MAb B6.1 on candidate  
injected mice (one hour infection)

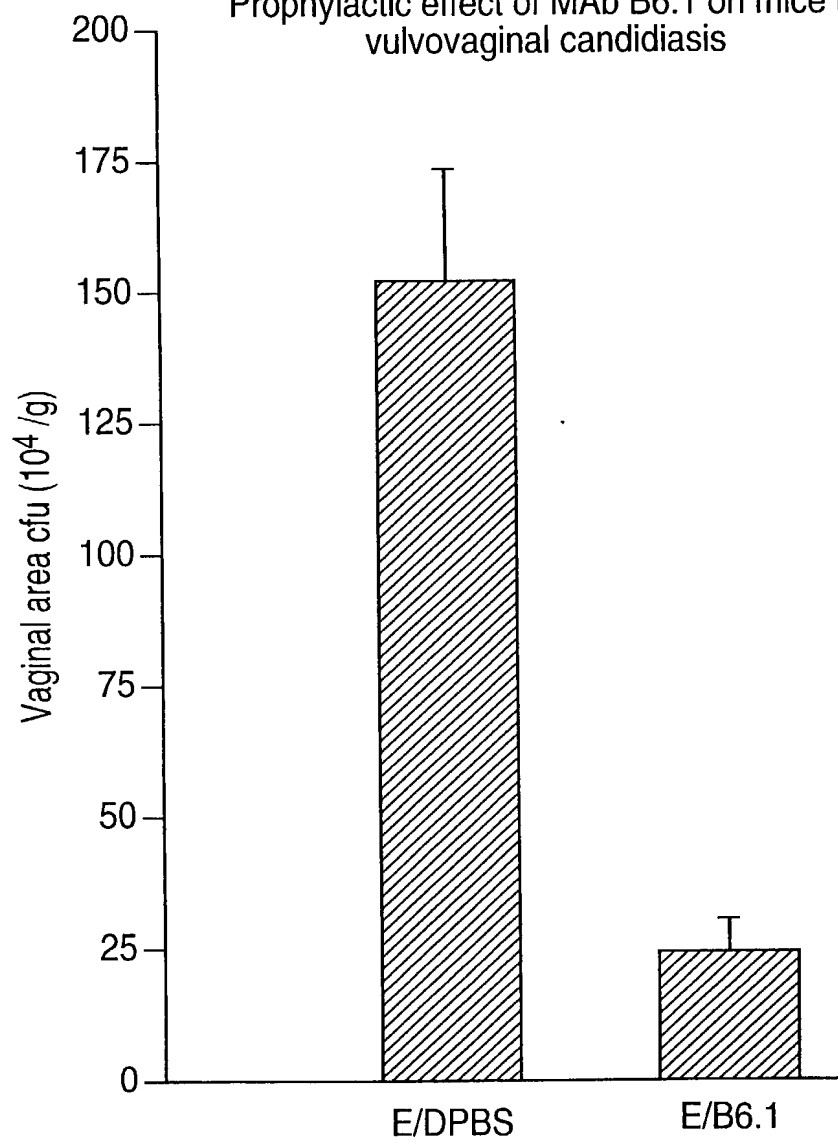


**FIG. 12**

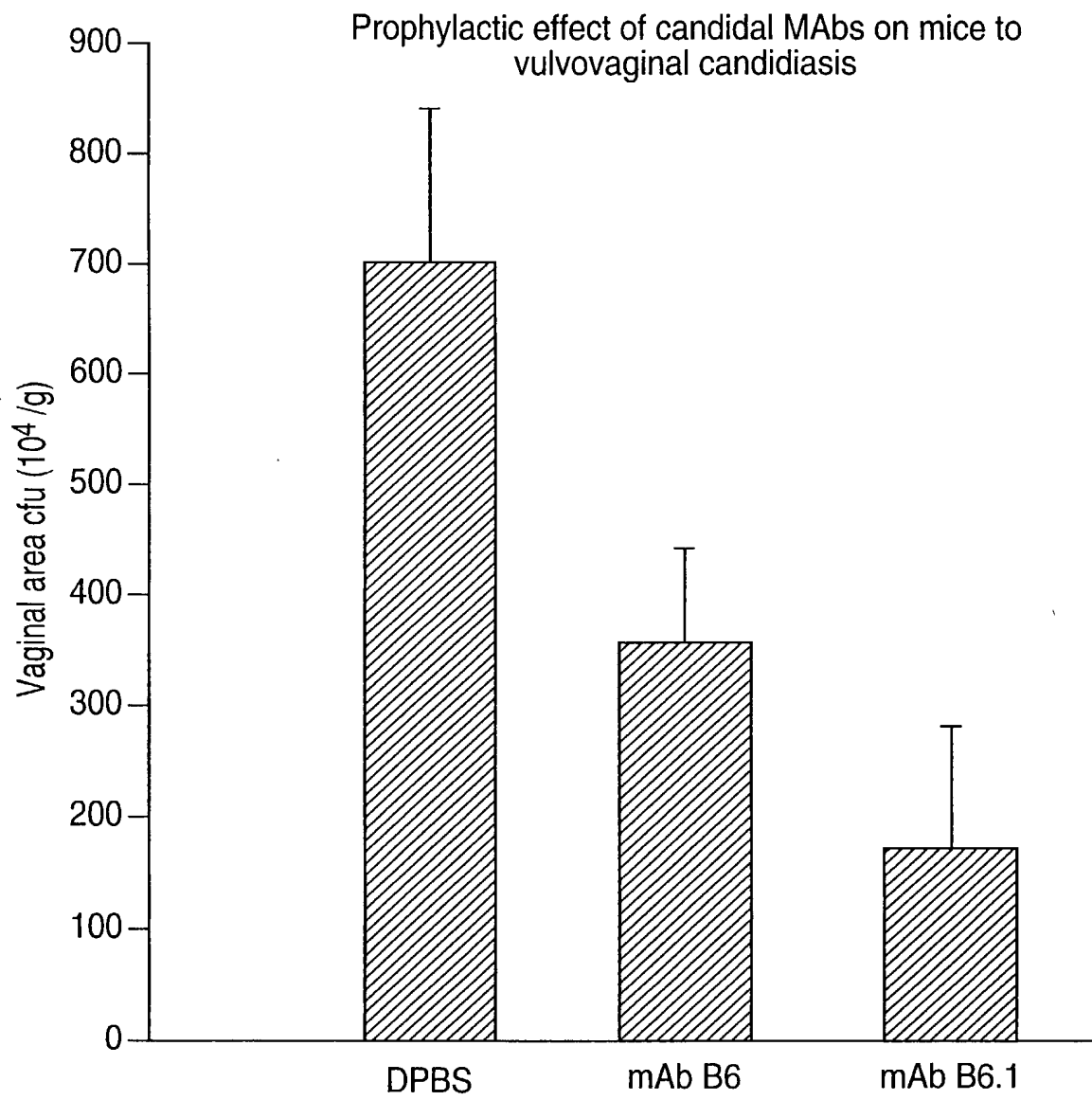


**FIG. 13**

### Prophylactic effect of MAb B6.1 on mice to vulvovaginal candidiasis

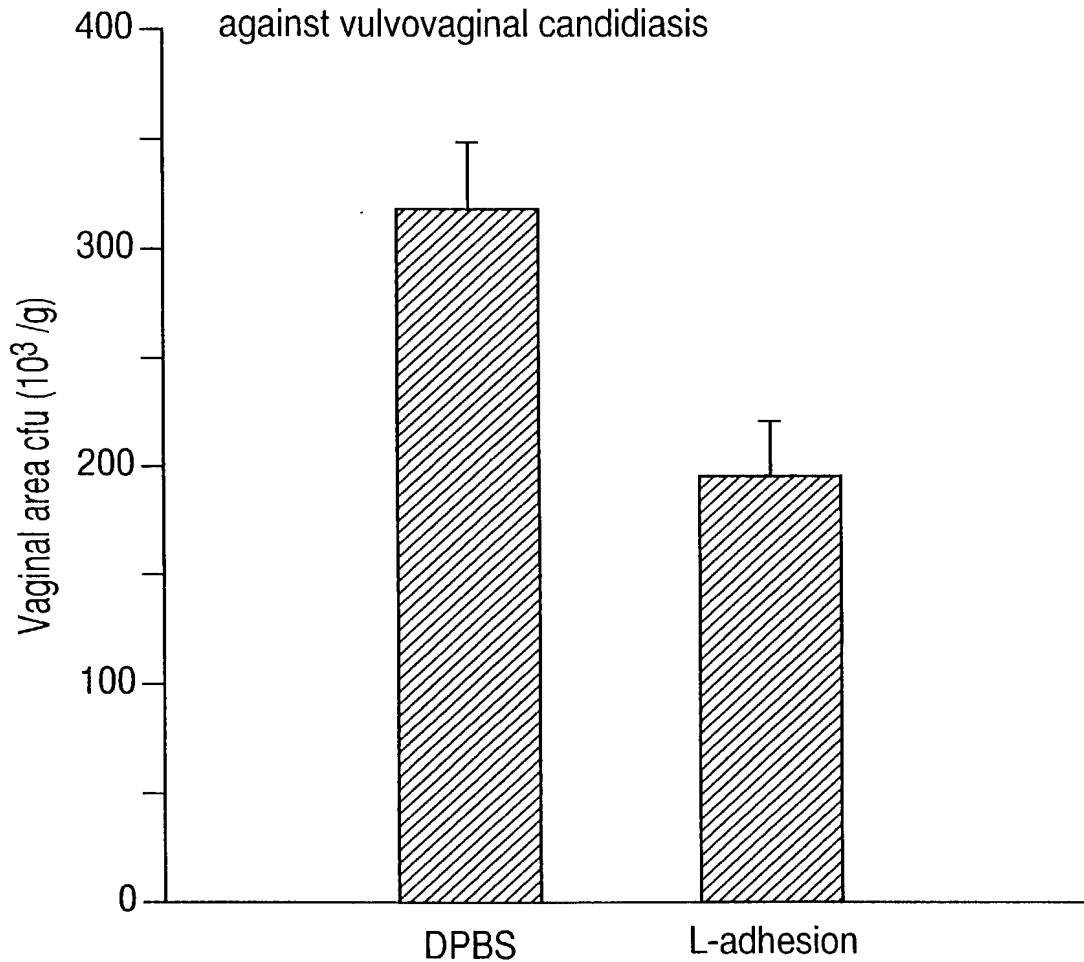


**FIG. 14**



**FIG. 15**

Effect of active immunization with L-adhesion to mice against vulvovaginal candidiasis

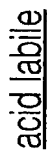


L = liposome

L02ME = liposome - 2ME vaccine prep. Animals received 0.2 ml i.v. (178µg 2ME in 0.2ml) weekly for 5 weeks.

Estriadiol was given subcu, 72 h later *C. albica* ( $5 \times 10^5$ ) given intravaginally, 48h after infection vaginal cfu determined.

Proposed structure of the phosphomannan complex (PMC) - in this case, n-linkage to cell wall protein is shown.



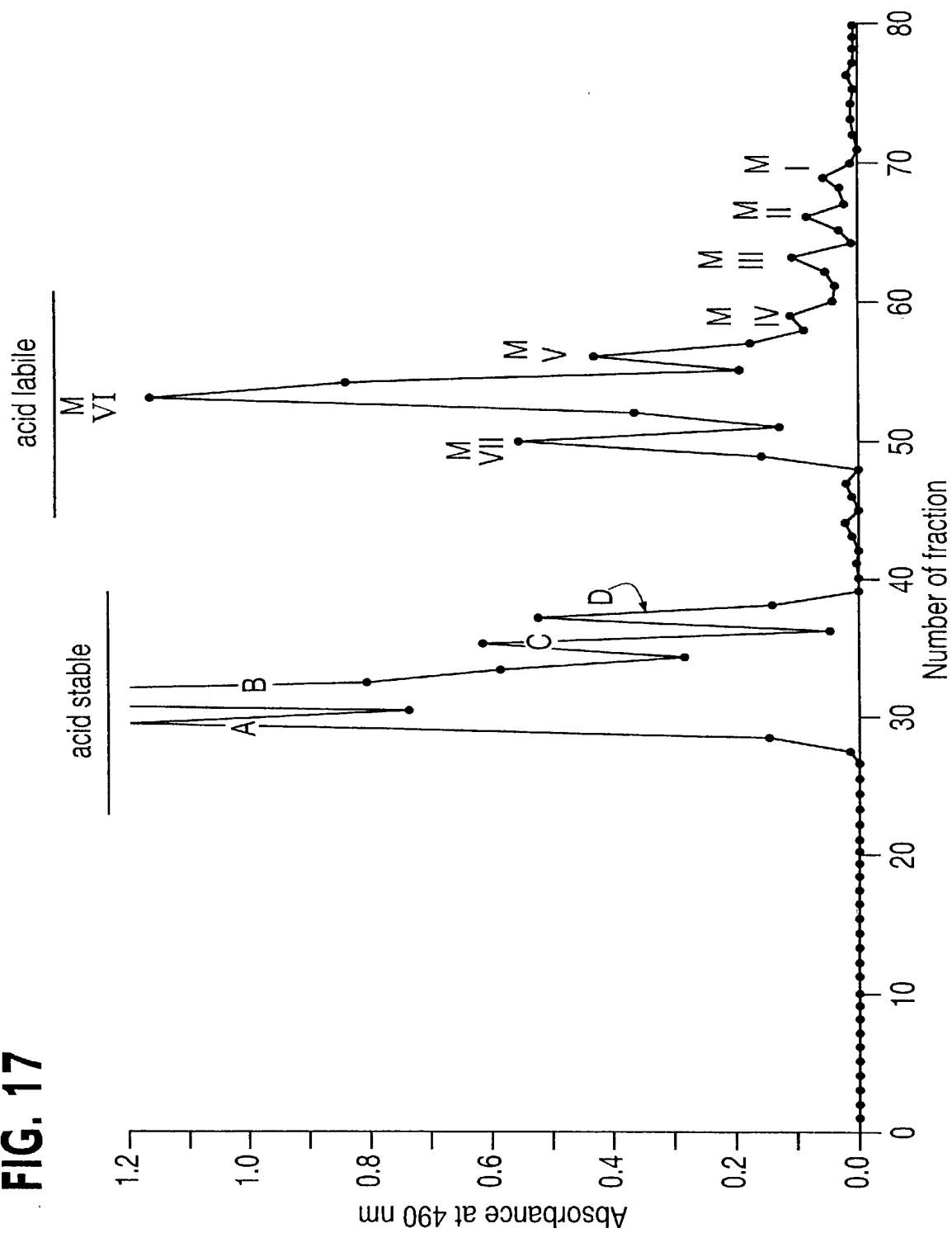
acid stable

**C. albicans NIH B-792 strain**

Shibata, et al. J. Biol. Chem 270: 1113-1995



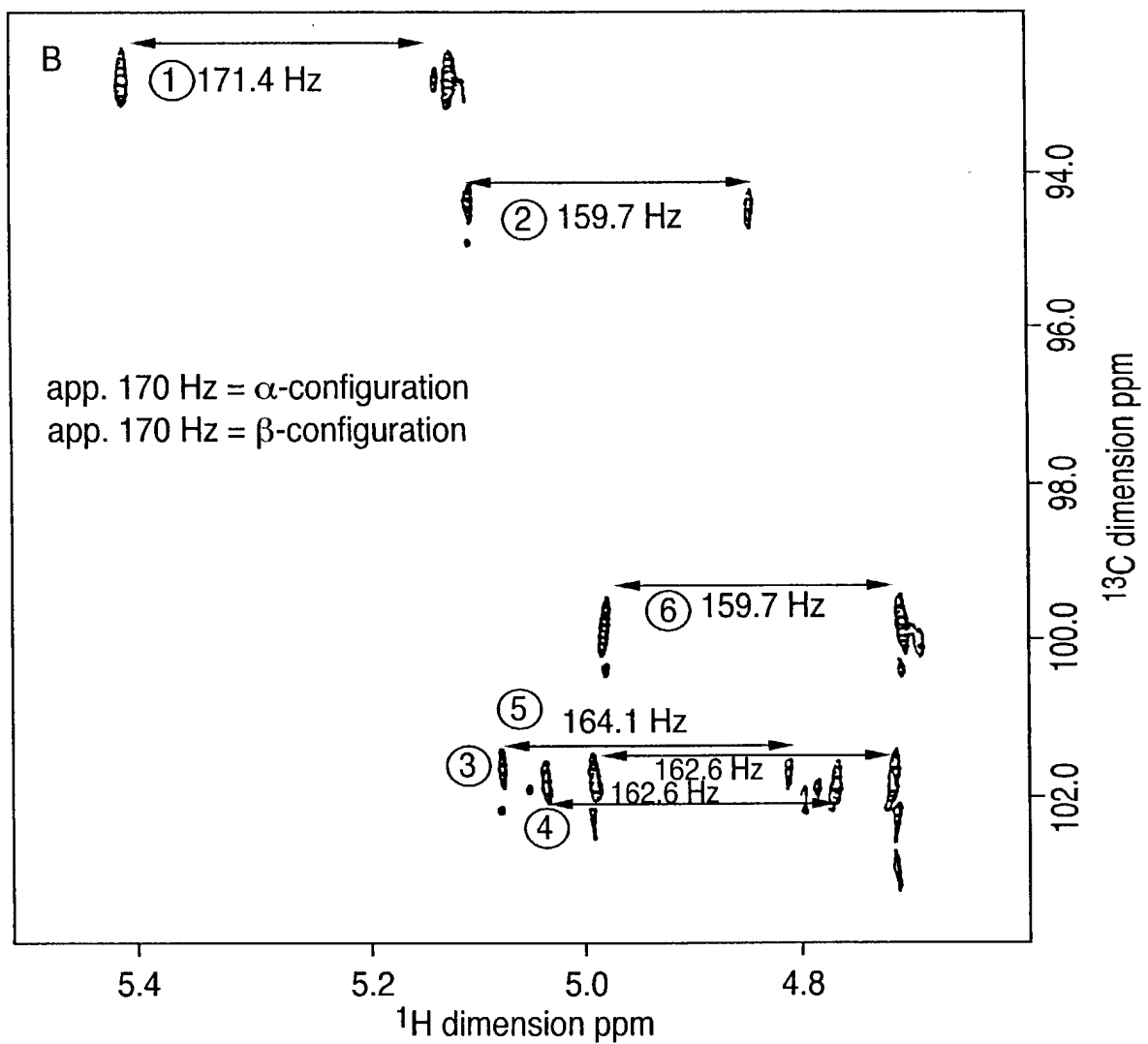
**FIG. 17**





dimension H-nmv of B6.1 epitope

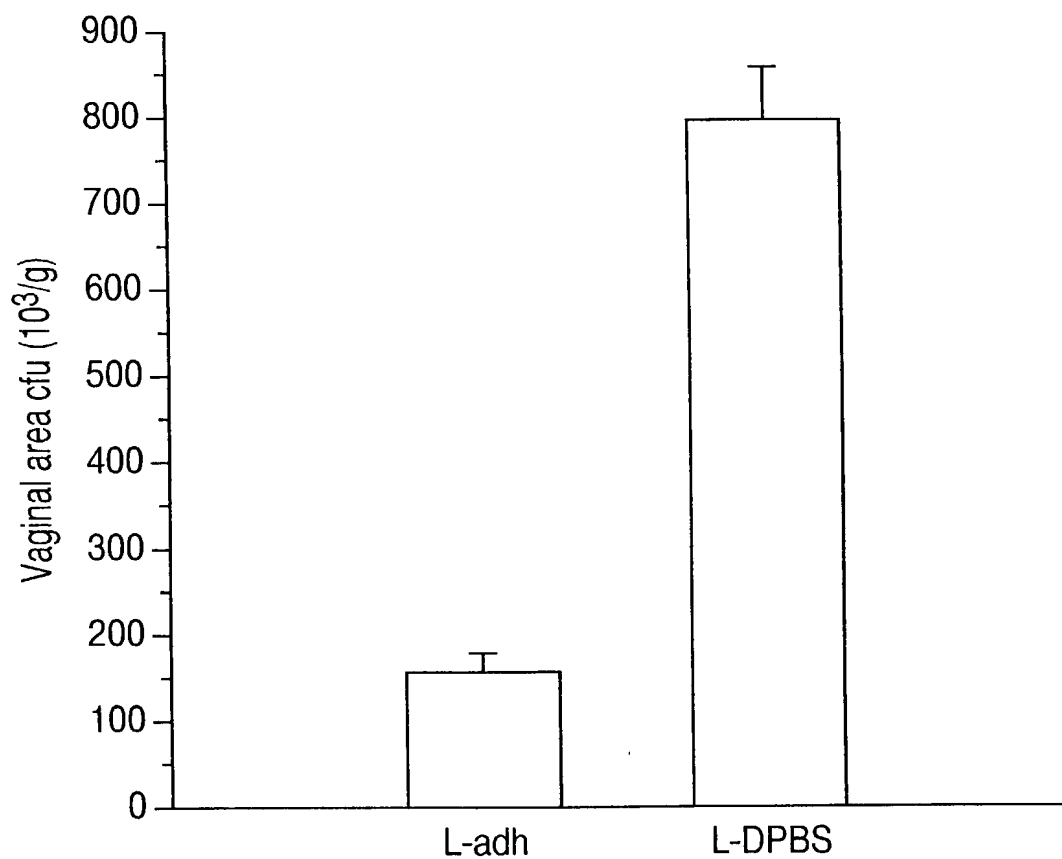
**FIG. 20**



2 - dNMR of B6.1 epitope

## FIG. 21

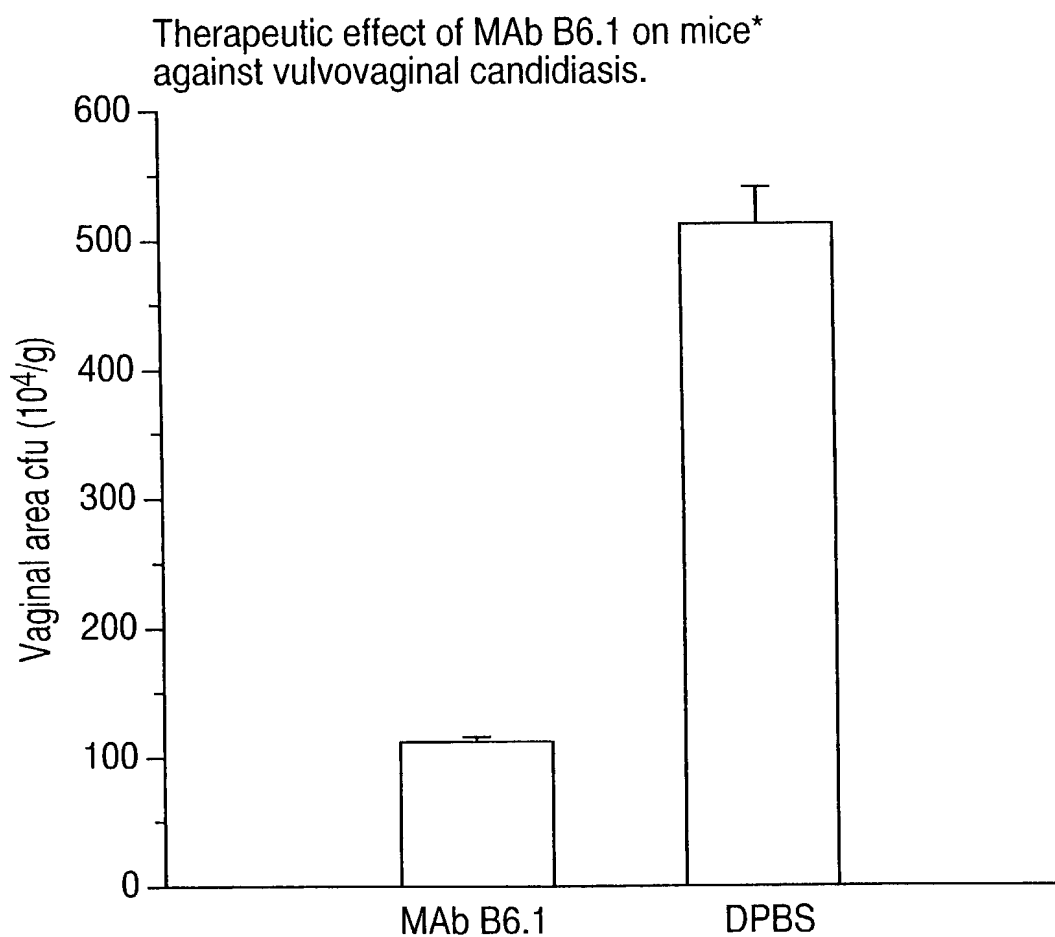
Therapeutic effect of liposome-2ME (L-adh) as a vaccine source on mice\* against vulvovaginal candidiasis.



\*Animals were infected with *C. albicans* one hr before vaccination.

\*\*Mice were intravaginally infected with *Candida albicans* ( $5 \times 10^5$ /mouse) 1 hr before i.v. vaccine treatment. Seven days after the infection, vagina areas were collected, and cfu in the areas were measured.

**FIG. 22**



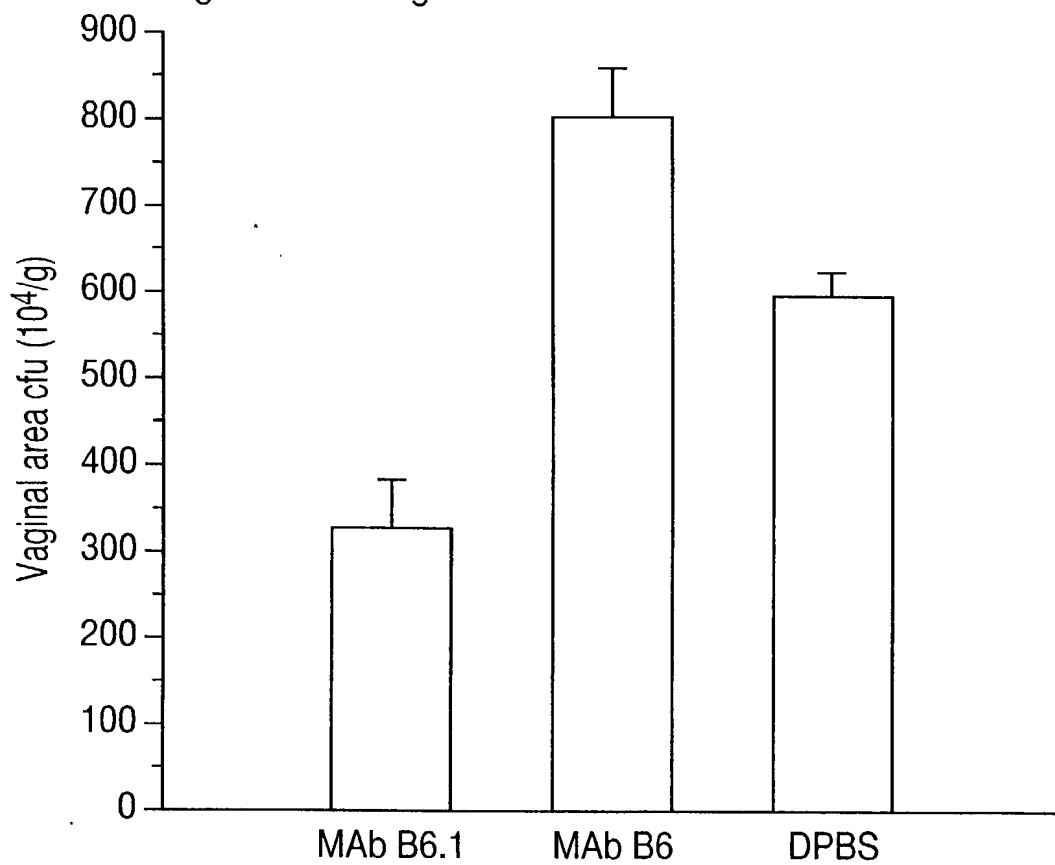
\*Animals were infected with *C. albicans* one hr before antibody treatment.

T=0 5x10<sup>5</sup>/10μl lvg.  
T=1h MAb B6.1 30μl undil 1280, 3.5 mg/ml  
T=24h MAb B6.1 10μl  
T=48h cfc



## FIG. 23

Therapeutic effect of MAb B6.1 & B6 on mice\*  
against vulvovaginal candidiasis.

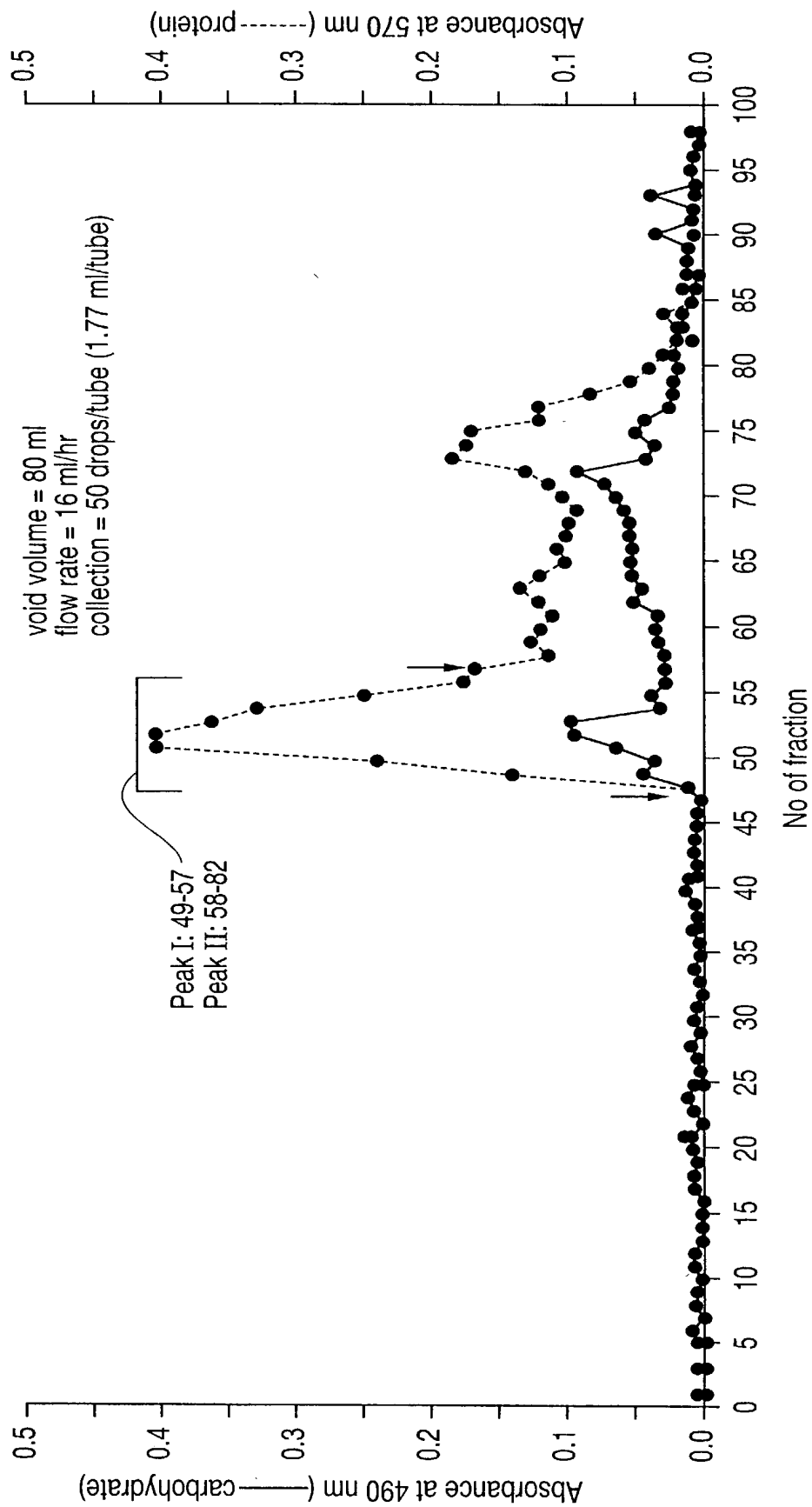


\*Animals were infected with *C. albicans* four hrs before first antibody treatment.

T=0	Infect 5x10 <sup>5</sup> ivg	<u>MAb B6.1</u>	<u>MAb B6</u>
T=4h	MAb 30μl ivg	1280, 3.5mg/ml	640, 3.5mg/ml
T=24h	MAb 10μl		
T=48h	cfu		

**FIG. 24**

Purification of 2ME-BSA by a sephacryl-S-300 column





**FIG. 25**

Purification of 2ME-BSA by a sephacryl-S-300 column

